CORE LABORATORIES, INC. ANALYTICAL REPORT

13-SEPT-83

STEFFEN, ROBERTSON AND KIRSTEN

OVERBURDEN ANALYSIS

RESULTS OF WATER QUALITY ANALYSIS ON SAMPLES COLLECTED AT LOCATION:

JOB NO. 6307-SAMPLE ID: SAMPLE REMARKS:

W83364 - 1 YELLOW CAT DRUM SAMPLE

GENERAL PARAMETERS

% MOISTURE	5.01
% Saturation	26.2
Soluble Sodium, med	176.3
Soluble Calcium, me	eq/1 39.6
Soluble Magnesium,	meq/1 5.6
Particles less than	100 Microns,% 25.90

These analyses, opinions or interpretations are based on observations and material supplied by the client to whom, and for whose exclusive and confidential use, this report is made. The interpretations or opinions expressed represent the best judgment of Core Laboratories, Inc. (all errors and omissions excepted); but Core Laboratories, Inc. and its officers and employees, assume no responsibility and make no warranty or representations, as to the productivity, proper operations, or profitableness of any oil, gas, coal or other mineral, property, well or sand in connection with which such report is used or relied upon.

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JOB NO. 6307-SAMPLE ID:

SAMPLE REMARKS:

DATE/TIME SAMPLED DATE/TIME RECEIVED

DATE/TIME ANALYZED CHEMIST: RIF/DRH

LOCATION: AURORA, CO

LAB pH (@ 25 des. C)

8.2

W83364 - 1

YELLOW CAT

DRUM SAMPLE

08-25-83/1000

08-25-83/1300

LAB COND. (as m mhos/cm @ 25C)

20.0

-- ALL VALUES REPORTED ON A TOTAL BASIS (mg/Kg) UNLESS INDICATED OTHERWISE

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GENERAL PARAMETERS--TOTAL BASIS

SODIUM	ABSORPTION	RATIO	(SAR)	37.1
CYANIDE	TOTAL (C)	()		<0.05

TOTAL METALS

ARSENIC (As)	0.27
CADMIUM (Cd)	0.06
COPPER (Cu)	5.14
IRON (Fe)	500
MOLYBDENUM (Mo)	1.0
NICKEL (Ni)	2.80
SELENIUM (Se)	0.11
ZINC (Zn)	0.36

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